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| APPROVED | O.G. FIG. | |
| BY | CLASS | SUBCLASS |
| DRAFTSMAN | | |

1/3

FIG. 1

| | |
|---|-----------------------------------|
| TTG AGA GCG CTC GTC TTT CAC GGC AAC CTC CAG TAT GCC GAA ATC CCA | 48 |
| Leu Arg Ala Leu Val ⁵ | Leu Arg Ala Leu Val ¹⁵ |
| AAG AGC GAA ATC CCA AAG GTC ATA GAG AAG GCA TAC ATC CCA GTC ATC | 96 |
| Lys Ser Glu Ile ²⁰ | Pro Val Ile |
| GAG ACA CTG ATT AAA ATT CCT TTT GGG CTC AAC ATA ACG GGC | 144 |
| Glu Thr Leu ³⁵ | Ile Thr Gly |
| TAT ACC TTA AAG TTC CTC CCG AAG GAT ATT ATA GAC CTC CTC GGT AAA GGG | 192 |
| Tyr Thr Leu ⁵⁰ | Val Lys Gly |
| GGC ATC GCG AGT GAC CTG ATA GAG ATA ATC GGA ACG AGC TAC Tyr Thr | 240 |
| Gly Ile Ala Ser Asp ⁶⁵ | His ⁸⁰ |
| GCA ATA CTC CCC CTC CTC CCG CTC AGC AGA GTA GAA GCA CAA GTT CAG | 288 |
| Ala Ile Leu Pro ⁸⁵ | Gln ⁹⁵ |
| AGA GAT AGG GAA GTT AAG GAG GAG CTC TTC GAG CTT TCT CCA AAG GGA | 336 |
| Arg Asp Arg Glu ¹⁰⁰ | Lys Gly |
| TTC TGG CTG CCA GAG GAG GTC GAC CCG ATA ATC CCT GCC ATA CTG | 384 |
| Phe Trp Leu ¹¹⁵ | Ile Leu |

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| APPROVED | O.G. FIG. | |
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2/3

FIG. 1A

| | | | | | | | | | | | | | | | |
|-------------|-------------|---------|-------------|-------------|-------------|-------------|---------|---------|---------|-------------|-------------|-------------|-------------|-------------|-----|
| AAG Lys 130 | GAC Asn | AAC Gly | GGT Tyr 135 | TAT Glu | GAG Tyr | TAT Leu | CTA Phe | TTC Ala | GCC Asp | GAC Gly 140 | GAG Glu | GCG Met | ATG Leu | CTT | 432 |
| TTC Phe 145 | TCA Ser | GCT Ala | CAT His | CTC Leu | AAC Asn 150 | TCG Ser | GCG Ala | ATA Ile | AAG Lys | CCA Pro 155 | ATT Ile | CCG Pro | CTC Leu | TAT Tyr 160 | 480 |
| CCA Pro | CAC His 165 | CTT ATA | AAG Ile | Lys 165 | GCC Ala | CAA Gln | AGG Arg | GAA Glu | AAG Lys | CGC Arg | TTT Phe | TAC Tyr 175 | ATC Ile | AGC Ser | 528 |
| TAT Tyr | CTC Leu | CTT Leu | GGT Gly 180 | CTC Leu | AGG Arg | GAG Glu | CTT Leu | AGG Arg | AAG Lys | GCG Ala | ATA Ile | CTC Leu 190 | GTT Val | TTT Phe | 576 |
| GAA Glu | GGT Lys 195 | AAG Lys | GTA Val | ACG Thr | CTA Leu | AAG Lys | GCA Ala | GTC Val | AAA Lys | GAC Asp | ATC Ile | GCC Ala | GTA Val | CCC Pro | 624 |
| GTT Val | TGG Trp 210 | GTG Val | GCC Ala | GTG Val | AAC Asn | ACG Thr 215 | GCT Ala | GTA Val | ATG Met | CTC Leu | GGC Gly 220 | ATC Ile | AGG Arg | CTT Leu | 672 |
| CCT Pro | CTT Leu | ATG Met | AAT Asn | CCT Pro | AAG Lys 230 | AAA Lys | GTG Val | GCG Ala | AGC Ser | TGG Trp 235 | ATA Ile | GAG Glu | AAG Lys | GAC Asp 240 | 720 |
| AAC Asn | ATT Ile | CTT Leu | CTA Leu | TAC Tyr 245 | GCG Gly | ACC Thr | GAT Asp | ATA Ile | GAG Glu | TTC Phe | ATT Ile | GGC Gly | TAT Tyr 255 | GAC Asp | 768 |

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3/3

FIG. 1B

| | |
|---|-------------|
| ATT GCA GGC TAC AGA ATG AGT GTT GAG GGA TTA TTA GAG GAT ATA GAC | 816 |
| Ile Ala Gly Tyr Arg Met Ser Val Glu Gly Leu Leu Glu Val Ile Asp | 260 265 270 |
| GAG CTC AAC TCG GAA CTG TGC CTT CCC TCA GAG CTG AAG CAC ATG GGA | 864 |
| Glu Leu Asn Ser Glu Leu Cys Leu Pro Ser Glu Leu Lys His Ser Gly | 275 280 285 |
| AGG GAG CTC TAC TTA CGG ACT TCG AGT TGG GCA CCA GAT AAG AGC TTG | 912 |
| Arg Glu Leu Tyr Tyr Leu Arg Thr Ser Ser Trp Ala Pro Asp Lys Ser Leu | 290 295 300 |
| AGG ATA TGG AGA GAG GAC GAA GGG AAC GCA AGA CTT AAT ATG CTG TCC | 960 |
| Arg Ile Trp Arg Arg Glu Asp Glu Gly Asn Ala Arg Leu Asn Met Leu Ser | 305 310 315 |
| TAC AAT ATG AGG GGC GAA CTC GCC CTT TTA GCC GAG AAC AGC GAT GCA | 1008 |
| Tyr Asn Met Arg Gly Glu Leu Ala Phe Leu Ala Glu Asn Ser Asp Ala | 325 330 335 |
| AGG GGA TGG GAG GAG CCT CTC CTC GAG AGG AGG AGG GAT GCC GCG | 1047 |
| Arg Gly Trp Glu Pro Pro Glu Arg Arg Arg Leu Asp Ala Phe Arg Ala | 340 345 350 |
| ATA TAT AAC GAT TGG AGG GGT GAA AAT GGG GAA CCT TAG | 1086 |
| Ile Tyr Asn Asp Trp Arg Gly Glu Glu Gly Glu Pro End | 355 360 365 |

Figure 1

| | |
|---|-----|
| TTG AGA GCG CTC GTC TTT CAC GGC AAC CTC CAG TAT GCC GAA ATC CCA Leu Arg Ala Leu Val Phe His Gly Asn Leu Gln Tyr Ala Glu Ile Pro 5 10 15 | 48 |
| AAG AGC GAA ATC CCA AAG GTC ATA GAG AAG GCA TAC ATC CCA GTC ATC Lys Ser Glu Ile Pro Lys Val Ile Glu Lys Ala Tyr Ile Pro Val Ile 20 25 30 | 96 |
| GAG ACA CTG ATT AAA GAA GAA ATT CCT TTT GGG CTC AAC ATA ACG GGC Glu Thr Leu Ile Lys Glu Glu Ile Pro Phe Gly Leu Asn Ile Thr Gly 35 40 45 | 144 |
| TAT ACC TTA AAG TTC CTC CCG AAG GAT ATT ATA GAC CTC GTT AAA GGG Tyr Thr Leu Lys Phe Leu Pro Lys Asp Ile Ile Asp Leu Val Lys Gly 50 55 60 | 192 |
| GGC ATC GCG AGT GAC CTG ATA GAG ATA ATC GGA ACG AGC TAC ACG CAC Gly Ile Ala Ser Asp Leu Ile Glu Ile Ile Gly Thr Ser Tyr Thr His 65 70 75 80 | 240 |
| GCA ATA CTC CCC CTC CTC CCG CTT AGC AGA GTA GAA GCA CAA GTT CAG Ala Ile Leu Pro Leu Leu Pro Leu Ser Arg Val Glu Ala Gln Val Gln 85 90 95 | 288 |
| AGA GAT AGG GAA GTT AAG GAA GAG CTC TTC GAG CTT TCT CCA AAG GGA Arg Asp Arg Glu Val Lys Glu Glu Leu Phe Glu Val Ser Pro Lys Gly 100 105 110 | 336 |
| TTC TGG CTG CCA GAG CTC GCC TAT GAC CCG ATA ATC CCT GCC ATA CTG Phe Trp Leu Pro Glu Leu Ala Tyr Asp Pro Ile Ile Pro Ala Ile Leu 115 120 125 | 384 |
| AAG GAC AAC GGT TAT GAG TAT CTA TTC GCC GAC GGG GAG GCG ATG CTT Lys Asp Asn Gly Tyr Glu Tyr Leu Phe Ala Asp Gly Glu Ala Met Leu 130 135 140 | 432 |
| TTC TCA GCT CAT CTC AAC TCG GCG ATA AAG CCA ATT AAA CCG CTC TAT Phe Ser Ala His Leu Asn Ser Ala Ile Lys Pro Ile Lys Pro Leu Tyr 145 150 155 160 | 480 |
| CCA CAC CTT ATA AAG GCC CAA AGG GAA AAG CGC TTT AGG TAC ATC AGC Pro His 3Leu Ile Lys Ala Gln Arg Glu Lys Arg Phe Arg Tyr Ile Ser 165 170 175 | 528 |
| TAT CTC CTT GGT CTC AGG GAG CTT AGG AAG GCG ATA AAG CTC GTT TTT Tyr Leu Leu Gly Leu Arg Glu Leu Arg Lys Ala Ile Lys Leu Val Phe 180 185 190 | 576 |
| GAA GGT AAG GTA ACG CTA AAG GCA GTC AAA GAC ATC GAA GCC GTA CCC Glu Gly Lys Val Thr Leu Lys Ala Val Lys Asp Ile Glu Ala Val Pro 195 200 205 | 624 |
| GTT TGG GTG GCC GTG AAC ACG GCT GTA ATG CTC GGC ATC GGA AGG CTT Val Trp Val Ala Val Asn Thr Ala Val Met Leu Gly Ile Gly Arg Leu 210 215 220 | 672 |
| CCT CTT ATG AAT CCT AAG AAA GTG GCG AGC TGG ATA GAG GAC AAG GAC Pro Leu Met Asn Pro Lys Lys Val Ala Ser Trp Ile Glu Asp Lys Asp 225 230 235 240 | 720 |

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|---|------|
| AAC ATT CTT CTA TAC GGC ACC GAT ATA GAG TTC ATT GGC TAT AGG GAC | 768 |
| Asn Ile Leu Leu Tyr Gly Thr Asp Ile Glu Phe Ile Gly Tyr Arg Asp | |
| 245 250 255 | |
| ATT GCA GGC TAC AGA ATG AGT GTT GAG GGA TTA TTA GAG GTT ATA GAC | 816 |
| Ile Ala Gly Tyr Arg Met Ser Val Glu Gly Leu Leu Glu Val Ile Asp | |
| 260 265 270 | |
| GAG CTC AAC TCG GAA CTG TGC CTT CCC TCA GAG CTG AAG CAC AGT GGA | 864 |
| Glu Leu Asn Ser Glu Leu Cys Leu Pro Ser Glu Leu Lys His Ser Gly | |
| 275 280 285 | |
| AGG GAG CTC TAC TTA CGG ACT TCG AGT TGG GCA CCA GAT AAG AGC TTG | 912 |
| Arg Glu Leu Tyr Leu Arg Thr Ser Ser Trp Ala Pro Asp Lys Ser Leu | |
| 290 295 300 | |
| AGG ATA TGG AGA GAG GAC GAA GGG AAC GCA AGA CTT AAT ATG CTG TCC | 960 |
| Arg Ile Trp Arg Glu Asp Glu Gly Asn Ala Arg Leu Asn Met Leu Ser | |
| 305 310 315 320 | |
| TAC AAT ATG AGG GGC GAA CTC GCC CTT TTA GCC GAG AAC AGC GAT GCA | 1008 |
| Tyr Asn Met Arg Gly Glu Leu Ala Phe Leu Ala Glu Asn Ser Asp Ala | |
| 325 330 335 | |
| AGG GGA TGG GAG CCC CTC CCT GAG AGG AGG CTG GAT GCC TTC CGG GCG | 1047 |
| Arg Gly Trp Glu Pro Leu Pro Glu Arg Arg Leu Asp Ala Phe Arg Ala | |
| 340 345 350 | |
| ATA TAT AAC GAT TGG AGG GGT GAA AAT GGG GAA CCT TAG | 1086 |
| Ile Tyr Asn Asp Trp Arg Gly Glu Asn Gly Glu Pro End | |
| 355 360 365 | |